

Name :G. Sahitya



Designation:Assistant professor

Department:ECE

Mail ID:sahitya_g@vnrvjiet.in

Experience (in years): Teaching:19.5 Research: 06 Industry: 0

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	2001	ECE
2	M.Tech	2011	SSP
3	Ph.D	pursuing	Wireless communications

2. Teaching and Learning:

- 2.1. Teaching Interests: Linear and digital IC applications, Analog communications, Digital signal processing and digital image processing, digital communications,
- 2.2. computer networks, ad hoc wireless sensor networks, switching theory and logic design,
- 2.3. DSPA, wireless communications, cellular and mobile communication.
- 2.4. Novel Teaching & Learning Techniques adopted: WIT &WIL, TED videos, POGIL activities, Quiz, Learning by doing, PPT, Group discussion.
- 2.5. Involvement in curriculum updating / Design: In syllabus framing, updating the syllabus, framing of COs

3. Co-curricular and Extra-Curricular Activities

3.1 Interests and Hobbies:

- To work hard
- To work sincerely
- Gardening
- Book reading

3.2. CCA/ECA Organized:

- Arranged guest lecturers under ECE ASSOCIATION
- Conducting I Year Interaction programmes and IV year Farewell programmes
- Conducted various programmes like Technical quiz, Sudoku contest, Puzzle contest, C Language programming contest etc
 - Conducted social service programmes for orphanage center at kukatpally under 'VNRSF service oriented student society'.
- Distributed homeo medicine for swine flu at Bachupalli village under 'VNRSF service Oriented student society'.
- Collected essential things rice, grams, floor, oil, clothes etc and distributed at a village near Vizag during the floods under 'VNRSF service oriented student society'.
- Participated in Republic parade at VNRVJIET under 'VNRSF service oriented student society'

3.3. CCA/ECA participated: actively participated in annual day.

3.4. Counseling and Mentoring Activity: Mentoring 40 students

3.5. Committees involved in:

Department level:

- Conducting CRC meetings
- CRC in charge
- Alumni in charge
- Conducting guest lectures

- Class coordinator
- Room allocation incharge
- Faculty coordinator, for ECE Association.

Institute Level:

- Member, Antiragging committee
- Member, Grievance cell
- Faculty coordinator, for VNRSF student social service organization.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- Recent trends in wire less communications in may 2015
- Matlab tool boxes in Dec 2015.
- Organised PCB workshop in jan 2016
- Wireless sensor node design, December 2014.
- Analog IC design contest in November 2014.
- FDP on “Trends in Wireless communication technology and Evolution of simulation tools”, 11-23 May 2015.
- Conducted workshop in real-time image and signal processing
- Analog system design using TI ASKV2010 during feb 14th to 16th 2013.
- Organized regional workshop on “Design of Embedded System Applications (DESA-2007)” during 26th-28th February, 2007 in VNRVJIET, Hyderabad
- Conducted regional workshop on “Embedded Systems” during 13th-17th March, 2006 and acted as the resource person for the programme. Venue: Microprocessors Laboratory, VNRVJIET, Hyderabad.
- Organized regional workshop on “Design of Embedded System Applications (DESA-2007)” during 26th-28th February, 2007 in VNRVJIET, Hyderabad
- Conducted regional workshop on “Embedded Systems” during 13th-17th March, 2006 and acted as the resource person for the programme. Venue: Microprocessors Laboratory, VNRVJIET, Hyderabad.
- Workshop on Faculty Development Program on 1- 3 July 2009 at VJIM.

4.2 Attended:

- Robotics & Artificial Intelligence 24/06/2019 to 28/06/2019 at VNRVJIET Organized by Electronics & ICT Academy, NIT-Patna
- Sensors Networks and IOT 26/08/2019 to 31/08/2019 at VNRVJIET Organized by Electronics & ICT Academy, NIT-Warangal
- Python Programming with Industry Perspective 02/12/2019 to 06/12/2019 at VNRVJIET Organized by Electronics & ICT Academy, NIT-Patna
- Deep Learning and Applications 09/12/2019 to 13/12/2019 at VNRVJIET organized by Electronics & ICT Academy, NIT-Patna
- IOT workshop organized by NIT Warangal during the period in nov 28 th to dec 3rd at vnrvjiet
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- Wireless sensor node design, December 2014.
- Analog ic design contest in November 2014.
- FDP on “Trends in Wireless communication technology and Evolution of simulation tools”, 11-23 May 2015.
- Attended one day workshop in RFcommunication conducted by Agilent
- Attended one day workshop in ART OF TEACHING IN VNRVJIET

- Attended one day workshop in research publications and documentations at VNRVJIET
- Attended 3day workshop in ART OF TEACHING in vnrvjiet
- Attended oneday workshop POGIL
- Attended 3day workshop on research publications conducted by IITH
- Attended workshop on “Micro Electronics & IC Design” during 22-24 Dec 2005 in Muffakhamjah College of Engg. & Tech.,Hyderabad.
- Organized regional workshop on “Design of Embedded System Applications (DESA-2007)” during 26th-28th February, 2007 in VNRVJIET, Hyderabad
- Conducted regional workshop on “Embedded Systems” during 13th-17th March, 2006 and acted as the resource person for the programme. Venue: Microprocessors Laboratory, VNRVJIET, Hyderabad.
- Workshop on Faculty Development Program on 1- 3 July 2009 at VJIM
- Attended Artificial intelligence and 5G communication technology under AICTE-AQIS during april 26-may 01 ,2021.
- Participated in AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2020-9-7 to 2020-9-11 at National Institute of Technical Teachers Training and Research, MHRD.
- Attended AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 2020-9-21 to 2020-9-25 at National Institute of Technology - Karanataka.
- Participated in Convolutional Neural Networks an online non-credit course authorized by DeepLearning.AI and offered through Coursera in 30-9-2020
- Participated Webinar on “Preparing oneself for Industry 4.0” organized by Department of Mechanical Engineering on 13th August 2020.
- Successfully completed Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization an online non-credit course authorized by deeplearning.ai and offered through Coursera in 24-08-2020.
- Fundamentals of Network Communication an online non-credit course authorized by University of Colorado System and offered through Coursera in 27-08-2020.
- Attended Structuring Machine Learning Projects an online non-credit course authorized by deeplearning.ai and offered through Coursera in 25-08-2020
- Attended Wireless Communications for Everybody an online non-credit course authorized by Yonsei University and offered through Coursera in 21-08-2020
- Attended Neural Networks and Deep Learning an online non-credit course authorized by deeplearning.ai and offered through Coursera in 20-08-2020
- participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Sciences" from 25-05-2020 to 29-05-2020 at Indian Institute of Information Technology(IIT Nagpur).
- participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence " from 11-05-2020 to 15-05-2020 at MSME-Technology Development Centre (PPDC), Meerut.
- Attended and successfully completed online Faculty Program on NBA on 5/13/2020, with a passing score of 100% organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai-400614.
- Attended and successfully completed an Online Quiz on “Basics of Programming in Python” conducted on 14/06/2020 with 87% score.
- Participated in the Quiz on "Faculty Awareness On NBA"conducted by the Department of Electrical And Electronics Engineering and secured 100% score on 6/14/2020.
- Participated and successfully completed Technical Quiz on “Analog communications” Organised bt Department of Electronics and Communication Engineering of

PSCMRCET in association with IETE and INSTITUTION'S INNOVATION COUNCIL(MHED) on 15-06-2010 and secured 80%.

- Attended and successfully completed a hands on workshop on Artificial intelligence and Deep learning held at Bennett University , greater Noida from May 04,2020 to May 08 ,2020.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 2

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor: Published one Text book on 'Digital Electronics' for diploma students.

5.4. Projects Guided:

a) UG:36

b) PG:7

5.5. Research Interests: wireless communications, signal processing.

5.6. Ph.D students:

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	A robust digital water marking algorithm using wavelet transform	vol 2	2320-5547	2.5	international
2	VOIP media stream encryption device	G.Sahitya, Dr.N.Balaji, Anshu	IJAEEE	2231-1297	International
3	FPGA implementation of image enhancement algorithms for biomedical image processing	G.Sahitya, Praveen, Dr.C.D.Naidu	IJAREEIE	2320-3765	International

4	prototyping of wireless sensor network for precision agriculture”	G.Sahitya, Dr.N.Balaji, Dr.C.D.Naidu	International journal on cybernetics & informatics (IJCI)	ol. 5, no. 4, august 2016 doi: 10.5121/ijci.2016.54068	International
5	Signal Processing Techniques for Removal of Various Artifacts from Obstructive Sleep Apnea Signals	G.sahitya	International Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume-8, Issue-12	ISSN: 2278-3075 Scopus Indexed Journal	international
6	Various Real time Chat bots and their Applications in Human life	G.Sahitya	International Journal of Recent Technology and Engineering (IJRTE) Volume-8, Issue-4	ISSN: 2277-3878 Scopus Indexed Journal	International
7	Image Based Street Light Block Out Monitoring	G.Sahitya	ARNP Journal of Engineering and Applied Sciences Vol. 13, No. 14	ISSN: 1819-6608 Scopus indexed	International
8	A scrutiny of advanced technologies over precision agricultur	G.Sahitya		ISSN:2214-7853	International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1.	Schedulability Analysis for Hard Network Lifetime WSNs using ns-2"	International conference on Electrical, Electronics and Communication Engineering(ICEECE),Bangalore	International Conference	Jun 2014,Bangalore
2.	"FPGA implementation of image enhancement algorithms for biomedical image processing"	Sahitya.G & Dr.N.Balaji Dr C.D Naidu	"Recent Trends in Electronics and communication Engineering (RTECE-2014)"	14 th &15th March
3.	Designing a Wireless Sensor Network for Precision Agriculture using Zigbee"	Sahitya.G & Dr.N.Balaji Dr C.D Naidu	2017 IEEE 7th International Advance Computing Conference, Hyderabad, India. January 2017	5 th and 6 th january2017
4.	Wireless Sensor Network for Smart Agriculture"	Sahitya.G & Dr.N.Balaji Dr C.D Naidu	2nd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Bangalore, India	July 2016. 978-1-5090-2399-8/16/\$31.00 2016 IEEE
5.	IOT Based Domestic Aid Using Computer Vision for Specially Abled Persons	G.Sahitya	International Conference on Communications, Signal Processing and VLSI (IC2SV 2019)	October 2019
6.	Smart irrigation system for the	G.sahitya	Sixth International Conference on Inventive	ICICT 2021

	reinforcement of precision agriculture using precision algorithm		Computation Technologies [ICICT 2021]	
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5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Proto typing of wireless sensor network design using zig bee	UGC minor	2 years	3.25 lakhs	On going

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
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6. Awards / Honors received: got 100 % result 5 times

7. Motto: Honesty & Hard work